

531,054

Rec'd PCT/PTC 12 APR 2005

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
13 May 2004 (13.05.2004)

PCT

(10) International Publication Number  
**WO 2004/040511 A2**

(51) International Patent Classification<sup>7</sup>: **G06N 5/02**

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(21) International Application Number:  
PCT/GB2003/004599

(22) International Filing Date: 24 October 2003 (24.10.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0225143.7 29 October 2002 (29.10.2002) GB

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(81) Designated States (*national*): CA, US.

(84) Designated States (*regional*): European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).

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**Published:**

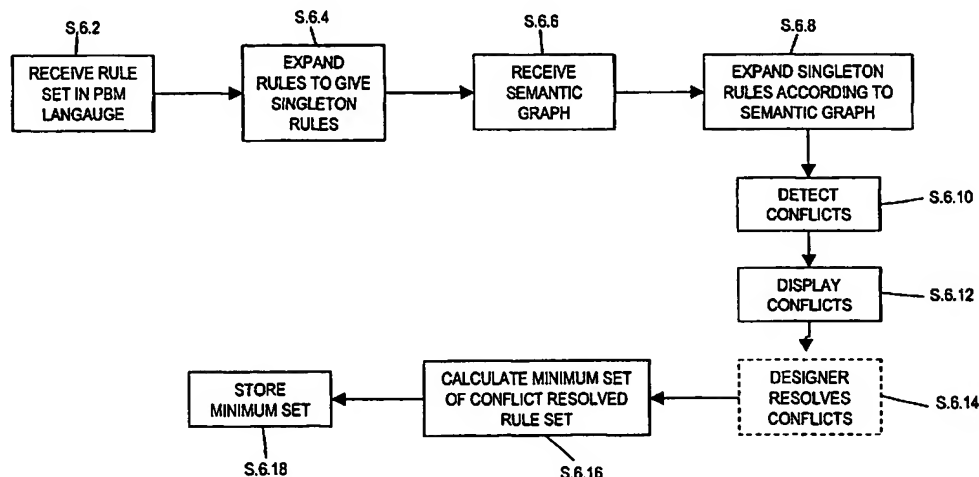
— without international search report and to be republished upon receipt of that report

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*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: CONFLICT DETECTION IN RULE SETS



(57) **Abstract:** The invention provides a method and system for detecting conflicts in policy-based management rule sets. This is achieved by expanding a set of input rules such that each rule relates only to one subject performing one action on a single object, and is known as a singleton rule. Then, data defining the semantic relationships between the different actions is received, and this is used to further expand the singleton rules to give a complete rule set defining every possible rule according to the semantic relationships between rules. This complete set can then be processed to detect conflicts between two or more rules, and any conflicting rules are identified and displayed to a user. Additionally, the invention also provides that the rule sets may be reduced to a canonical form for compact representation thereof.

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